



DUAL ALARM CLOCK RADIO WITH AUTO TIME SET



USER MANUAL

JCR-230

**PLEASE READ THIS USER MANUAL COMPLETELY
BEFORE OPERATING THIS UNIT AND RETAIN
THIS BOOKLET FOR FUTURE REFERENCE.**

WARNING

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT USE THIS PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE. TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.



The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated 'dangerous voltage' within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

WARNING
RISK OF ELECTRIC SHOCK DO
NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (ON BACK), NO USER SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

CAUTION:

Use of controls or adjustments or performance other than those specified may result in hazardous radiation exposure.

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Cleaning – Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wider or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.



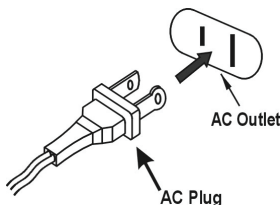
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. This apparatus shall not be exposed to dripping or splashing water and that no object filled with liquids such as vases shall be placed on the apparatus.
16. Mains plug is used as disconnect device and it should remain readily operable during intended use. In order to disconnect the apparatus completely, the mains plug should be disconnected from the mains socket outlet completely.
17. Battery shall not be exposed to excessive heat such as sunshine, fire or the like.
18. The marking information is located at the bottom of the apparatus.
19. The Caution Marking is located at the bottom of the apparatus.
20. Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

This symbol indicates that this product incorporates double insulation between hazardous mains voltage and user accessible parts



CAUTION:

TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF AC PLUG TO WIDE SLOT. FULLY INSERT.



COMPLIANCE WITH FCC REGULATION

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

DEAR JENSEN® CUSTOMER

Selecting fine audio equipment such as the unit you've just purchased is only the start of your musical enjoyment. Now it's time to consider how you can maximize the fun and excitement your equipment offers. This manufacturer and the Electronic Industries Association's Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion and, most importantly, without affecting your sensitive hearing. Sound can be deceiving. Over time your hearing "comfort level" adapts to higher volumes of sound. So what sounds "normal" can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

To establish a safe level:

- Start your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, and without distortion.

Once you have established a comfortable sound level:

- Set the dial and leave it there.

Taking a minute to do this now will help to prevent hearing damage or loss in the future. After all, we want you listening for a lifetime.

We Want You Listening For a Lifetime

Used wisely, your new sound equipment will provide a lifetime of fun and enjoyment. Since hearing damage from loud noise is often undetectable until it is too late, this manufacturer and the Electronic Industries Association's Consumer Electronics Group recommend you avoid prolonged exposure to excessive noise.



Customer's Record:

The serial number of this product is found on its bottom cover. You should note the serial number of this unit in the space provided as a permanent record of your purchase to aid in identification in the event of theft or loss.

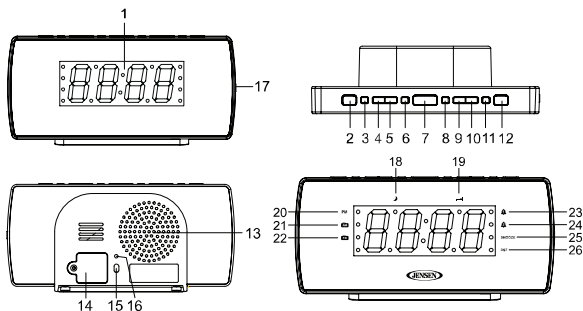
Model Number: JCR-230

Serial Number: _____

PROTECT YOUR FURNITURE!!

This system is equipped with non-skid rubber 'feet' to prevent the product from moving when you operate the controls. These 'feet' are made from non-migrating rubber material specially formulated to avoid leaving any marks or stains on your furniture. However certain types of oil based furniture polishes, wood preservatives, or cleaning sprays may cause the rubber 'feet' to soften, and leave marks or a rubber residue on the furniture. To prevent any damage to your furniture we strongly recommend that you purchase small self-adhesive felt pads, available at hardware stores and home improvement centers everywhere, and apply these pads to the bottom of the rubber 'feet' before you place the product on fine wooden furniture.

LOCATION OF CONTROLS



1	LED DISPLAY	14	BATTERY COMPARTMENT
2	⏻ Ⓜ️ BUTTON: POWER ON/STANDBY / RADIO BAND/AUX MODE	15	AC POWER CORD
3	⏴ TIME ZONE BUTTON	16	FM WIRE ANTENNA
4	⏴ HR. BUTTON: TUNING DOWN / HOUR SETTING	17	AUX-IN JACK
5	⏵ MIN. BUTTON: TUNING UP / MINUTE SETTING	18	🌙 NAP INDICATOR
6	Ⓜ️ ⌚ BUTTON: MEMORY / TIME SET	19	🛌 SLEEP INDICATOR
7	⌚ ⏴ SNOOZE / DIMMER	20	PM INDICATOR
8	DST BUTTON: DAYLIGHT SAVING TIME	21	AM BAND INDICATOR
9	🔊 ⏴ BUTTON: ALARM 2 SET / VOLUME DOWN	22	FM BAND INDICATOR
10	🔊 ⏵ BUTTON: ALARM 1 SET / VOLUME UP	23	🔊 ALARM 1 INDICATOR
11	🛌 🌙 BUTTON: SLEEP TIMER / NAP	24	🔊 ALARM 2 INDICATOR
12	⏴ BUTTON: AUTO SCAN / RECALL RADIO STATIONS	25	SNOOZE INDICATOR
13	BUILT-IN SPEAKER	26	DST INDICATOR

POWER SOURCE

POWER CONNECTION

This product operates on 120V~ 60Hz power supply. Plug the AC power cord into a household outlet AC source.

REPLACING THE BACK-UP BATTERY

This unit is equipped with a battery back-up system, requiring one DC3V "CR2032" type lithium battery (included). If you need to replace the battery,

1. Remove the screw from the BATTERY COMPARTMENT cover to open the cover.
2. Remove the exhausted battery and replace brand new CR2032 Lithium 3V battery according to the polarity marking inside the battery compartment and cover.
3. Replace the BATTERY COMPARTMENT cover and tighten the screw to secure the compartment.

NOTE: The unit will operate without a battery installed but your time & alarm setting will be lost and will have to be reset in the event of power interruption or failure.

IMPORTANT:



Be sure that the battery is installed correctly. Wrong polarity may damage the unit and void the warranty.

For best performance and longer operating time, we recommend the use of good quality battery.

BATTERY CARE

- Use only the size and type of battery specified.
- If the unit is not to be used for an extended period of time, remove the battery. Old or leaking batteries can cause damage to the unit and may void the warranty.
- Do not try to recharge batteries not intended to be recharged; they can overheat and rupture (Follow battery manufacturer's directions).
- Do not dispose of batteries in fire, batteries may leak or explode.

TURNING THE JCR-230 POWER ON/STANDBY

1. In standby mode, press the POWER/Standby  button once to turn on the unit.
2. Press and hold  button for 2 seconds to place the unit in standby mode.

TIME ZONE AND CLOCK SETTING

AUTOMATIC TIME SETTING



1. Plug the AC power cord into a household AC outlet.
2. You do not need to set the clock time, the clock is preset at the factory and backed up by the installed back-up battery (Included).
3. Tap the **TIME ZONE** button repeatedly to select your time zone.

Abbreviation	Full name	Time zone	No.displayed
<u>AST</u>	Atlantic Standard Time	UTC - 4 hours	01
<u>EST</u>	Eastern Standard Time	UTC - 5 hours	02
<u>CST</u>	Central Standard Time	UTC - 6 hours	03
<u>MST</u>	Mountain Standard Time	UTC - 7 hours	04
<u>PST</u>	Pacific Standard Time	UTC - 8 hours	05
<u>AKST</u>	Alaska Standard Time	UTC - 9 hours	06
<u>HAST</u>	Hawaii-Aleutian Standard Time	UTC - 10 hours	07

Note: The default time zone is Eastern Standard Time (EST).

4. Press the **DST** button to turn on/off the Daylight Saving Time feature. Depending on your location, you may or may not be observing Daylight Saving Time, so the DST indicator will light when Daylight Saving Time is selected.

MANUAL TIME SETTING



1. With unit in standby mode, press and hold the TIME SET  button, the display will flash to prompt for input.
2. Tap the **HR.** button repeatedly to set the hour. Press and hold for fast forwarding.
3. Tap the **MIN.** button repeatedly to set the minute. Press and hold for fast forwarding.
4. Press the  button to confirm.

NOTES:

- During the time set, if no button is being pressed within 9 seconds, the current display time will be automatically stored.
- Make sure the hour is set so that the **PM** indicator is displayed correctly.

ALARM SETTING





SETTING THE ALARMS









1. With the unit in standby mode, press and hold the ALARM  or  button for a few seconds, the display blinks.
2. Press the **HR.** and/or **MIN.** button to set the alarm time.

Note: Be sure to observe the **PM** indicator when setting the alarm to make sure the alarm time is set correctly for AM or PM. If the **PM** indicator is 'On', the alarm time will be "PM".


3. Press  or  button then press  or  button to select wake up source - beeping () or radio ().

Note: If you selected wake up to radio, the last radio setting will be used when the alarm time is reached. Make sure the frequency and volume is set properly before putting the unit into standby mode for next day alarm.



4. Press  or  button to confirm, the alarm indicator  or  lights up steady.

5. To disable ALARM 1/2 from automatically sounding on the upcoming days, tap the  or  button, the corresponding alarm  or  indicator goes off.
6. To resume ALARM 1/2, tap the respective alarm  or  button, the corresponding alarm  or  indicator will be turned on and the alarm(s) will sound the next day at the set time.


TURNING OFF THE ALARM

When the preset alarm time is reached, the alarm or radio will sound for 30 minutes unless interrupted by pressing **SNOOZE**. To stop the alarm immediately, tap the corresponding alarm button or Power ON/Standby  button.

SNOOZE FUNCTION



When the alarm sounding, press the **SNOOZE** button to suspend the alarm and activate the snooze function, alarm will be temporarily stopped and will sound again 9 minutes later but the alarm  or  & snooze indicator will keep flashing.

NOTES:





- This manual snooze operation can be repeated again and again.
- To turn off the Snooze function when it activates, tap the corresponding alarm button or the  button. The flashing snooze indicator goes off.

LISTENING TO THE RADIO



RADIO TUNING

1. Press the  button to turn on the unit.
2. Tap the MODE  button repeatedly to select the AM or FM band. The corresponding indicator will be lighting up.

MANUAL SEARCH FOR RADIO STATIONS

1. Tap the  or  button repeatedly to choose your desired radio station.
2. Tap the  or  button to set the desired volume level.
3. Use the manual tuning method to tune in weaker stations that are bypassed during Automatic Searching.

AUTOMATIC SEARCH FOR RADIO STATIONS

To automatically search for stations with strong signals, press and hold the TUNING DOWN  or UP  button until frequency readout on the display begins to scan and then release the button. The tuner will stop on the first strong station it finds.









Notes:

- Manual tune to select weaker stations that might be skipped during automatic tuning.
- If the automatic tuning does not stop on the exact frequency of the station, for example, it stops on 88.9 MHz instead of 88.8 MHz, use the manual tuning method to “fine tune” to the exact frequency of the desired station.


HINTS FOR BEST RECEPTION:

- AM - The AM antenna is located inside the cabinet of the unit. If AM reception is weak, change the position of unit until the internal antenna picks up the strongest signal.
- FM - To insure maximum FM tuner reception, unwrap and fully extend the FM antenna wire for the best FM radio reception.

TO SET/RECALL RADIO STATION PRESETS

1. Press the  button to turn the unit ON.
2. Tap the  button repeatedly to select AM or FM band. The corresponding indicator will be lights up.
3. Use the  or  button to select the desired radio station.
4. Tap the MEMORY  button; the next available preset memory number will flash in the LED display. (Note: "P01" will blink in the display if you are programming presets for the first time.)
5. Press the  or  button to change to the desired preset number P01 thru P20.
6. Repeat steps #3 thru #5 to preset up to 20 stations.
7. To recall one of the preset stations already programmed, tap the  button repeatedly until you reach the desired preset number/radio station.

AUTOMATIC SET FOR RADIO STATION PRESETS





Press and hold the AUTO SCAN  button for few seconds, the unit will start to search radio stations and automatically save the first 20 stronger signal FM stations in FM mode or AM stations in AM mode.

Note:


- 1.) Automatic preset will overwrite preset stations by overwriting and storing the newly detected radio frequencies in their places.
- 2.) If some automatic presets not meet your expectation, then you will need to manually set them afterwards.

SLEEP TIMER OPERATIONS

The sleep timer allows you to turn the unit off after a designated time is reached.






1. To activate the sleep timer, turn the unit on and either tune to the desired radio station or listening to music via AUX IN.
2. Tap the SLEEP  button and the sleep time indicator appears on the display.
3. Repeatedly tap the  button to select a sleep timer of 5, 10, 15, 30, 60, 90 or 120 minutes. Wait 5 seconds after your selection for the unit to confirm the selection, the unit will play for the selected length of time then automatically turn off.
4. To cancel the sleep timer, repeatedly tap the  buttons until timer shows "OFF", sleep indicator goes off.
5. To turn the unit off before the selected length of time, press and hold the  button at any time.

Notes:

- 1.) To check the remaining sleep time, tap the  button once.
- 2.) If you are falling asleep to music from an external device connected to the AUX input, the sleep timer will shut off the power to this system but it will not turn off the external device.

NAP FUNCTION

This function wakes you up after a short period of time. Only the beeping can be selected.


1. In standby mode, tap the NAP  button repeatedly to select 120-90-60-30-15-10 or 5 minutes for your nap, wait 5 seconds for the unit to confirm your selection. The  indicator lights up.
2. To stop the NAP alarm when it sounds, press the  or  button.
3. To cancel NAP alarm before it sounding, tap the  button repeatedly until display shows OFF and wait for 5 seconds to confirm.

AUXILIARY INPUT

This unit provides an auxiliary audio signal input jack for connecting external audio devices like MP3 players, CD players and listen to them through the speaker of this unit.

1. Use an audio cable (not included) with one 3.5 mm stereo plug on each end of the cable.
2. Plug one end into the **AUX IN JACK** on the main unit and the other end of the cable into the Line-out Jack or Headphone Jack of your external audio device.
3. Turn on the unit and external audio device.
4. Press **AUX MODE** button repeatedly until "AU" appeared on display.
5. The volume level can now be controlled through the main unit. Operate all other functions on the auxiliary device as usual.

NOTES:

- If you connect this unit to the Line-Out Jack of your external device then you only need to adjust the volume control of this unit. If you connect the Headphone Jack of your external device then you may need to adjust both the volume controls of your external device and this unit to obtain the desirable volume setting.
- Press and hold the  button to turn off the unit when you have finished listening. Don't forget to switch off the power of your external device as well.

DIMMER CONTROL

Press the DIMMER  button to change the brightness of JCR-230 display: high or low.

CARE AND MAINTENANCE

1. Children should be supervised when using this appliance.
2. Never wrap the **AC POWER CORD** around any animal or person. Special care should be taken with long wire
3. Avoid operating your unit under direct sunlight or in hot, humid or dusty places.
4. Keep your unit away from heating appliances and sources of electrical noise such as fluorescent lamps or motors.
5. Unplug the unit from the electrical power outlet immediately in case of malfunction.


CLEANING THE UNIT

- To prevent fire or shock hazard, disconnect your unit from the AC power source when cleaning.
- The finish on the unit may be cleaned with a dust cloth and cared for as other furniture, Use caution when cleaning and wiping the plastic parts.
- If the cabinet becomes dusty wipe it with a soft dry dust cloth. Do not use any wax or polish sprays on the cabinet.
- If the front panel becomes dirty or smudged with fingerprints it may be cleaned with a soft cloth slightly dampened with a mild soap and water solution. Never use abrasive cloths or polishes as these will damage the finish of your unit.

CAUTION: Never allow any water or other liquids to get inside the unit while cleaning.


TROUBLESHOOTING GUIDE

If you experience difficulties in the use of this music system, please check the following or call 1-800-777-5331 for Customer Service.

Symptom	Possible Cause	Solution
Noise or distorted sound on AM or FM broadcast	<ul style="list-style-type: none">- Station not tuned properly for AM or FM- FM: FM antenna is not extended.- AM: The unit is not placed in best reception point.	<ul style="list-style-type: none">- Retune the AM or FM Broadcast station.- FM: Fully extend FM Antenna- AM: Reposition the unit until the best reception is obtained
AM or FM no sound	<ul style="list-style-type: none">- Unit not "RADIO" function mode- Volume set at minimum	<ul style="list-style-type: none">- Press  button until radio is on.- Increase Volume.
Sound appears distorted at high volume setting	<ul style="list-style-type: none">- Volume control of this unit is set to maximum	<ul style="list-style-type: none">- Adjust Volume Control to a lower comfortable level.

SPECIFICATION

Power requirement:

AC Input: 120V ~ 60Hz 4W (Consumption)
Backup battery for the clock: 1 x 3V  CR2032 Lithium battery (included)
Frequency Range: FM 87.5 – 108MHz
AM 520 – 1710KHz



At Spectra, environmental and social responsibility is a core value of our business. We are dedicated to continuous implementation of responsible initiatives with an aim to conserve and maintain the environment through responsible recycling.

Please visit us at <http://www.spectrainl.com/green.htm> for more information on Spectra's green initiatives or to find a recycler in your area.

90 DAY LIMITED WARRANTY AND SERVICE VALID IN THE U.S.A. ONLY

SPECTRA MERCHANDISING INTERNATIONAL, INC. warrants this unit to be free from defective materials or factory workmanship for a period of 90 days from the date of original customer purchase and provided the product is utilized within the U.S.A. This warranty is not assignable or transferable. Our obligation under this warranty is the repair or replacement of the defective unit or any part thereof, except batteries, when it is returned to the SPECTRA Service Department, accompanied by proof of the date of original consumer purchase, such as a duplicate copy of a sales receipt.

You must pay all shipping charges required to ship the product to SPECTRA for warranty service. If the product is repaired or replaced under warranty, the return charges will be at SPECTRA's expense. There are no other express warranties other than those stated herein.

This warranty is valid only in accordance with the conditions set forth below:

1. The warranty applies to the SPECTRA product only while:
 - a. It remains in the possession of the original purchaser and proof of purchase is demonstrated.
 - b. It has not been subjected to accident, misuse, abuse, improper service, usage outside the descriptions and warnings covered within the user manual or non-SPECTRA approved modifications.
 - c. Claims are made within the warranty period.
2. This warranty does not cover damage or equipment failure caused by electrical wiring not in compliance with electrical codes or SPECTRA user manual specifications, or failure to provide reasonable care and necessary maintenance as outlined in the user manual.
3. Warranty of all SPECTRA products applies to residential use only and is void when products are used in a nonresidential environment or installed outside the United States.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. TO OBTAIN SERVICE please remove all batteries (if any) and pack the unit carefully and send it freight prepaid to SPECTRA at the address shown below. IF THE UNIT IS RETURNED WITHIN THE WARRANTY PERIOD shown above, please include a proof of purchase (dated cash register receipt) so that we may establish your eligibility for warranty service and repair of the unit without cost. Also include a note with a description explaining how the unit is defective. A customer service representative may need to contact you regarding the status of your repair, so please include your name, address, phone number and email address to expedite the process.

IF THE UNIT IS OUTSIDE THE WARRANTY PERIOD, please include a check for \$12.00 to cover the cost of repair, handling and return postage. All out of warranty returns must be sent prepaid.

It is recommended that you contact SPECTRA first at 1-800-777-5331 or by email at custserv@spectraintrl.com for updated information on the unit requiring service. In some cases the model you have may be discontinued, and SPECTRA reserves the right to offer alternative options for repair or replacement.

SPECTRA MERCHANDISING INTERNATIONAL, INC.
4230 North Normandy Avenue,
Chicago, IL 60634, USA.
1-800-777-5331

To register your product, visit the link on the website below to enter your information.
<http://www.spectraintrl.com/wform.htm>